

a¹ record medium on which the type information is recorded;
 reading type information from a recording and reproducing
 apparatus for the record medium; comparing the type
 information read from the record medium with the type
 information read from the apparatus; and performing a
 recording or reproducing process for the record medium using
 information corresponding to the type information stored in
 the apparatus when the type information read from the record
 medium matches the type information read from the apparatus.--

IN THE CLAIMS

Please amend claims 1-32 and 34-48 by rewriting same to
 read as follows:

--1. (Amended) A recording and reproducing method for a
 record medium, comprising the steps of:

a² reading record medium type information from the record
 medium when data are recorded to the record medium and
 reproduced from the record medium on which the record medium
 type information has been recorded;

reading apparatus type information from a recording and
 reproducing apparatus for the record medium;

comparing the record medium type information read from
 the record medium with the apparatus type information read
 from the apparatus; and

performing one of a recording process and a reproducing

process for the record medium using information corresponding to the apparatus type information stored in the apparatus when the record medium type information read from the record medium matches the apparatus type information read from the apparatus.

--2. (Amended) The recording and reproducing method as set forth in claim 1, further comprising the step of:

a²
determining which of the record medium type information read from the record medium and the apparatus type information read from the apparatus is type information that represents a later generation when the record medium type information read from the record medium does not match the apparatus type information read from the apparatus.

--3. (Amended) The recording and reproducing method as set forth in claim 2, further comprising the step of:

canceling the recording process and the reproducing process when a result of the determining step represents that the record medium type information read from the record medium is type information that represents a generation later than a generation represented by the apparatus type information read from the apparatus.

--4. (Amended) The recording and reproducing method as set forth in claim 3, further comprising the step of:

performing an indication for prompting a user to obtain

type information that represents the later generation.

--5. (Amended) The recording and reproducing method as set forth in claim 2, further comprising the step of:

performing the recording process and the reproducing process using information corresponding to the apparatus type information stored in the apparatus when a result of the determining step represents that the type apparatus information read from the apparatus is type information that represents a generation later than a generation represented by the record medium type information read from the record medium.

--6. (Amended) The recording and reproducing method as set forth in claim 5, further comprising the step of:

performing an indication that represents that the record type information read from the record medium is former type information.

--7. (Amended) The recording and reproducing method as set forth in claim 5,

wherein the recording process includes an encrypting process using information corresponding to the apparatus type information stored in the apparatus; and

the reproducing process includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--8. (Amended) The recording and reproducing method as set forth in claim 1, further comprising the steps of:

performing an encoding process for data recorded on the record medium using information corresponding to the apparatus type information stored in the apparatus; and

performing a decoding process for data read from the record medium.

--9. (Amended) The recording and reproducing method as set forth in claim 8,

wherein the encoding process includes an encrypting process using information corresponding to the apparatus type information stored in the apparatus; and

the decoding process includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--10. (Amended) The recording and reproducing method as set forth in claim 9,

wherein the information corresponding to the apparatus type information stored in the apparatus is key information.

--11. (Amended) A recording and reproducing method for a record medium, comprising the steps of:

reading address information from the record medium when data are one of recorded to and reproduced from the record medium on which the address information is recorded, the

address information including address type information;

extracting the address type information from the address information that has been read;

reading apparatus type information from a recording and reproducing apparatus for the record medium;

comparing the extracted address type information with the address type information read from the apparatus; and

performing one of a recording process and a reproducing process for the record medium using information corresponding to the apparatus type information stored in the apparatus when the extracted address type information matches the apparatus type information read from the apparatus.

a²
--12. (Amended) The recording and reproducing method as set forth in claim 11, further comprising the step of:

determining which of the extracted address type information and the apparatus type information read from the apparatus is type information that represents a later generation when the extracted address type information does not match the apparatus type information read from the apparatus.

--13. (Amended) The recording and reproducing method as set forth in claim 12, further comprising the step of:

canceling the recording process and the reproducing process when a result of the determining step represents that the extracted address type information is type information

that represents a generation later than the apparatus type information read from the apparatus.

--14. (Amended) The recording and reproducing method as set forth in claim 13, further comprising the step of:

performing an indication for prompting a user to obtain type information that represents the later generation.

--15. (Amended) The recording and reproducing method as set forth in claim 12, further comprising the step of:

a²
performing the recording process and the reproducing process using information corresponding to the apparatus type information stored in the apparatus when a result of the determining step represents that the apparatus type information read from the apparatus is type information that represents a generation later than the extracted address type information.

--16. (Amended) The recording and reproducing method as set forth in claim 15, further comprising the step of:

performing an indication that represents that the extracted address type information is former type information.

--17. (Amended) The recording and reproducing method as set forth in claim 15,

wherein the recording process includes an encrypting process using information corresponding to the apparatus type

information stored in the apparatus; and

the reproducing process includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--18. (Amended) The recording and reproducing method as set forth in claim 11, further comprising the steps of:

performing an encoding process for the data recorded on the record medium using information corresponding to the apparatus type information stored in the apparatus; and

a² performing a decoding process for the data that are read from the record medium.

--19. (Amended) The recording and reproducing method as set forth in claim 18,

wherein the encoding process includes an encrypting process using the information corresponding to the apparatus type information stored in the apparatus; and

the decoding process includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--20. (Amended) The recording and reproducing method as set forth in claim 19,

wherein the information corresponding to the apparatus type information stored in the apparatus is key information.

--21. (Amended) The recording and reproducing method as set forth in claim 11,

wherein the record medium is a disc-shaped record medium;
and

the address information is recorded in a lead-in area of the disc-shaped record medium.

--22. (Amended) The recording and reproducing method as set forth in claim 21,

wherein the address information is recorded such that grooves pre-formed on the disc-shaped record medium are wobbled; and

the type information is embedded at predetermined intervals in the address information.

a²
--23. (Amended) A recording and reproducing apparatus for a record medium, the apparatus comprising:

a head portion for scanning the record medium on which record medium type information is recorded;

a signal processing portion for supplying record data to be recorded on the record medium to the head portion and for performing a decoding process for data read from the record medium by the head portion;

a storing portion for storing storing type information and information corresponding to the storing type information; and

a controlling portion for: reading the record medium type information from the record medium; reading the storing type

information from the storing portion; comparing the record medium type information read from the record medium with the storing type information read from the storing portion; and causing the processing portion to perform one of a recording process and a reproducing process for the record medium using information corresponding to the storing type information stored in the storing portion when the record medium type information read from the record medium matches the storing type information read from the storing portion when the data are recorded to the record medium and reproduced from the record medium.

--24. (Amended) The recording and reproducing apparatus as set forth in claim 23,

wherein said controlling portion includes:

a2
a comparing portion for comparing the record medium type information read from the record medium with the storing type information read from the storing portion.

--25. (Amended) The recording and reproducing apparatus as set forth in claim 23,

wherein the controlling portion determines which of the record medium type information read from the record medium and the storing type information read from the storing portion is type information that represents a later generation when the record medium type information read from the record medium does not match the storing type information read from the storing

portion.

--26. (Amended) The recording and reproducing apparatus as set forth in claim 25,

wherein the controlling portion causes the signal processing portion to cancel the process when the record medium type information read from the record medium is type information that represents a generation later than a generation represented by the storing type information read from said storing portion.

--27. (Amended) The recording and reproducing apparatus as set forth in claim 26, the apparatus further comprising:

a displaying portion,

a² wherein the controlling portion causes the displaying portion to perform an indication for prompting a user to obtain the type information that represents the later generation.

--28. (Amended) The recording and reproducing apparatus as set forth in claim 25,

wherein the controlling portion causes the signal processing portion to perform the process using information corresponding to the storing type information stored in the storing portion when the storing type information read from the storing portion is type information that represents a generation later than a generation represented by the record medium type information read from the record medium.

--29. (Amended) The recording and reproducing apparatus as set forth in claim 28, the apparatus further comprising:

a displaying portion,

wherein the controlling portion causes the displaying portion to perform an indication that represents that the record medium type information read from the record medium is former type information.

--30. (Amended) The recording and reproducing apparatus as set forth in claim 23,

wherein the signal processing portion performs a process including an encrypting process using information corresponding to the storing type information stored in the storing portion and a process including a decrypting process using information corresponding to the storing type information stored in the storing portion.

--31. (Amended) The recording and reproducing apparatus as set forth in claim 30,

wherein the information corresponding to the storing type information stored in the storing portion is key information; and

the type information is information that represents a generation of the key information.

--32. (Amended) A record medium on which address information including type information that represents a

a² generation of information for performing an encrypting process
for data to be recorded is recorded.

--34. (Amended) The record medium as set forth in claim
32,

wherein the record medium is a disc-shaped record medium;
and

the address information is recoded in a lead-in area of
the disc-shaped record medium.

--35. (Amended) The record medium as set forth in claim
34,

wherein the address information is recorded such that
grooves pre-formed on the disc-shaped record medium are
wobbled; and

a³ the type information is embedded at predetermined
intervals in the address information.

--36. (Amended) A recording and reproducing method for a
record medium, comprising the steps of:

reading record medium type information of key information
from the record medium when data are one of recorded to the
record medium and reproduced from the record medium on which
the type information of the key information is recorded;

reading apparatus type information of key information from
a recording and reproducing apparatus for the record medium;

comparing the record medium type information read from the

record medium with the apparatus type information read from the apparatus; and

controlling one of a recording operation and a reproducing operation corresponding to a compared result of the comparing step.

--37. (Amended) The recording and reproducing method as set forth in claim 36, further comprising the step of:

recording data to the record medium and reproducing data from the record medium using information corresponding to the apparatus type information stored in the apparatus when the record medium type information read from the record medium matches the apparatus type information read from the apparatus.

a³

--38. (Amended) The recording and reproducing method as set forth in claim 37, further comprising the step of:

determining which of the record medium type information read from the record medium and the apparatus type information read from the apparatus is type information that represents a later generation when the record medium type information read from the record medium does not match the apparatus type information read from the apparatus.

--39. (Amended) The recording and reproducing method as set forth in claim 38, further comprising the step of:

canceling the recording process and the reproducing process when a result of the determining step represents that

the record medium type information read from the record medium is type information that represents a generation later than a generation represented by the apparatus type information read from the apparatus.

--40. (Amended) The recording and reproducing method as set forth in claim 39, further comprising the step of:

performing an indication for prompting a user to obtain the type information that represents the later generation.

--41. (Amended) The recording and reproducing method as set forth in claim 38, further comprising the step of:

Q³ performing the recording process and the reproducing process using information corresponding to the apparatus type information stored in the apparatus when a result of the determining step represents that the apparatus type information read from the apparatus is type information that represents a generation later than a generation represented by the record medium type information read from the record medium.

--42. (Amended) The recording and reproducing method as set forth in claim 41, further comprising the step of:

performing an indication that represents that the record medium type information read from the record medium is former type information.

--43. (Amended) The recording and reproducing method as

set forth in claim 41,

wherein the recording process includes an encrypting process using information corresponding to the apparatus type information stored in the apparatus; and

the reproducing process includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--44. (Amended) The recording and reproducing method as set forth in claim 36, further comprising the steps of:

performing an encoding process for data recorded to the record medium using information corresponding to the apparatus type information stored in the apparatus; and

a³ performing a decoding process for data read from the record medium using the information corresponding to the apparatus type information stored in the apparatus.

--45. (Amended) The recording and reproducing method as set forth in claim 44,

wherein the encoding process includes an encrypting process using the information corresponding to the apparatus type information stored in the apparatus; and

the decoding process is a process including a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--46. (Amended) The recording and reproducing method as